

6-30-00

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PTO/SB/05 (2-98)

Please type a plus sign (+) inside this box →

Approved for use through 9/30/00. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

Attorney Docket No.	11-ME-472
First Named Inventor or Application Identifier	Richard A. Balch, et al.
Title	METHODS AND APPARATUS FOR METERING ENERGY CONSUMPTION
Express Mail Label No.	EL048588775US

Only for nonprovisional applications under 37 CFR 1.53(b)

APPLICATION ELEMENTS
See MPEP chapter 600 concerning utility patent application contents.**ADDRESS TO:**
Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification [Total Pages **47**]
(Preferred arrangement set forth below)
- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC 113) [Total Sheets **5**]
4. ☐ Oath or Declaration [Total Pages **4**]
a. ☐ Newly executed (original or copy)
b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]
i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named
in the prior application, see 37 CFR 1.63(d)(2) and
1.33(b).
5. ☐ Incorporation by Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the
oath or declaration is supplied under Box 4b, is considered as being part
of the disclosure of the accompanying application and is hereby
incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission
(If applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
14. ☐ Small Entity ☐ Statement filed in prior application,
Statement(s) Status still proper and desired
(PTO/SB/09-12)
15. ☐ Certified Copy of Priority Document(s)
(If foreign priority is claimed)
16. ☒ Other: Express Mail Certificate; Declaration and Power of Attorney
Submitted for Identification of Inventors Only

*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL
ENTITY STATEMENT IS REQUIRED (37 C.F.R. §1.27), EXCEPT IF ONE FILED IN A PRIOR
APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No:
Prior application information: Examiner: Group/Art Unit:

18. CORRESPONDENCE ADDRESS☐ Customer Number or Bar Code Label or ☒ Correspondence address below

NAME	John S. Beulick, Esq.				
	Armstrong Teasdale LLP				
ADDRESS	One Metropolitan Square, Suite 2600				
CITY	St. Louis	STATE	MO	ZIP CODE	63102-2740
COUNTRY	U.S.A.	TELEPHONE	(314) 621-5070	FAX	(314) 621-5065


Name (Print/type)	Alan L. Cassel	Registration No. (Attorney/Agent)	35,842
Signature		Date	June 28, 2000

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FEE TRANSMITTAL		Complete if Known	
<p>Patent fees are subject to annual revision on October 1. These are the fees effective October 1, 1997. Small entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.</p>		Application Number	
		Filing Date	
		First Named Inventor	Richard A. Balch, et al.
		Group Art Unit	
		Examiner Name	
TOTAL AMOUNT OF PAYMENT	(\$) 1,956.00	Attorney Docket Number	11-ME-472

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																																																																																																							
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number <u>01-2384</u></p> <p>Deposit Account Name <u></u></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.16 at the Mailing of the Notice of Allowance</p>		<p>3. ADDITIONAL FEES</p> <table border="1"><thead><tr><th>Large Fee Code</th><th>Entity Fee Code</th><th>Small Fee Code</th><th>Entity Fee Code</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr><tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge-late provisional filing fee or cover sheet</td><td></td></tr><tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr><tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr><tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr><tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr><tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr><tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td><td></td></tr><tr><td>117</td><td>950</td><td>217</td><td>475</td><td>Extension for reply within third month</td><td></td></tr><tr><td>118</td><td>1,510</td><td>218</td><td>755</td><td>Extension for reply within fourth month</td><td></td></tr><tr><td>128</td><td>2,060</td><td>228</td><td>1,030</td><td>Extension for reply within fifth month</td><td></td></tr><tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr><tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr><tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr><tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr><tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr><tr><td>141</td><td>1,320</td><td>241</td><td>660</td><td>Petition to revive - unintentional</td><td></td></tr><tr><td>142</td><td>1,320</td><td>242</td><td>660</td><td>Utility issue fee (or reissue)</td><td></td></tr><tr><td>143</td><td>450</td><td>243</td><td>225</td><td>Design issue fee</td><td></td></tr><tr><td>144</td><td>670</td><td>244</td><td>335</td><td>Plant issue fee</td><td></td></tr><tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr><tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr><tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of Information</td><td></td></tr><tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr><tr><td>146</td><td>790</td><td>246</td><td>395</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr><tr><td>149</td><td>790</td><td>249</td><td>395</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr><tr><td colspan="4">Other fee (specify) <u></u></td><td></td></tr><tr><td colspan="4">Other fee (specify) <u></u></td><td></td></tr><tr><td colspan="4">*Reduced by Basic Filing Fee Paid</td><td></td></tr><tr><td colspan="4">SUBTOTAL (3)</td><td>(\$) 0</td></tr></tbody></table>		Large Fee Code	Entity Fee Code	Small Fee Code	Entity Fee Code	Fee Description	Fee Paid	105	130	205	65	Surcharge - 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SUBMITTED BY		Complete (if applicable)	
Typed or Printed Name	Alan L. Cassel	Reg. Number	35,842
Signature		Date	June 29, 2000
		Deposit Account Number ID	

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PATENT
11-ME-472

**CERTIFICATE OF MAILING BY EXPRESS MAIL TO
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Date of Mailing: June 29, 2000



I certify that the attached utility patent application claiming priority of provisional application number 60/141,907 filed June 30, 1999, of RICHARD A. BALCH, DAVID D. ELMORE, LARRY A. SCHMIDT, MAURICE J. OUELLETTE, WARREN R. GERMER, VIRGINIA H. ZINKOWSKI, ROBERT E. LEE, JR., GREGORY P. LAVOIE, MARK J. PLIS, CAROL A. CUMMISKEY for METHODS AND APPARATUS FOR METERING ENERGY CONSUMPTION, including:

- Patent Application Transmittal (1) page
- Fee Transmittal (in duplicate) (1 page)
- Thirty-six (36) pages of specification; ten (10) pages of claims; one (1) page of abstract
- Five (5) sheets of drawings
- Declaration and Power of Attorney (submitted for identification of inventors only) (4 pages)
- Certificate of Mailing Via Express Mail (1 page)
- Return post card

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above in an envelope addressed to the Assistant Commissioner for Patents, Box PATENT APPLICATION, Washington, D.C. 20231.

A handwritten signature in cursive script, reading "Alan Cassel".

Alan L. Cassel, Reg. No. 35,842
Armstrong Teasdale LLP
One Metropolitan Square, Suite 2600
St. Louis, MO 63102-2740
(314) 621-5070